

Bill Albright  
Transportation Planning Manager

Lesley Phillips  
Transportation Planner



Kingsport MTPO  
415 Broad Street  
Kingsport, TN 37660  
[MTPO@KingsportTN.gov](mailto:MTPO@KingsportTN.gov)  
423-224-2670

## MEMORANDUM

To: TDOT Long Range Planning  
FHWA-TN

From: Lesley Phillips, Transportation Planner

Date: February 4, 2022

Subject: LRTP - Amendment #2

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The Kingsport MTPO has made an amendment to our 2040 Long Range Transportation Plan (LRTP). Attached you will find documentation for the following changes:

### **Project: I-81 ITS Expansion**

LRTP Page #: 7-4

#### Changes:

- Update termini
- Update length
- Update description
- Update YOE Cost
- Update funding source

#### Reason for Changes:

This is a state IMPROVE Act project. TDOT proposed an Amendment to our Transportation Improvement Program (TIP) which greatly increased the total project cost, thus also creating the need for a LRTP Amendment. In addition to the project cost, the termini, length, project description, and funding source have all been updated.

Original and Amended financial tables are also included.

As required by our Public Participation Plan, LRTP Amendment #2 was available for public review for at least 30 days (December 30, 2021 through January 31, 2022) prior to Executive Board action. Public comments were also allowed at the MTPO Executive Board meeting on February 3, 2022.

Please let me know if you have any questions. Thank you!

**RESOLUTION BY THE EXECUTIVE BOARD OF THE KINGSPORT METROPOLITAN TRANSPORTATION  
PLANNING ORGANIZATION AMENDING THE 2040 LONG RANGE TRANSPORTATION PLAN**

**L RTP Amendment #2**

**WHEREAS**, the Kingsport Metropolitan Transportation Planning Organization (MTPO) is the designated Metropolitan Planning Organization (MPO) for the Kingsport urbanized area in Tennessee and Virginia and is responsible for carrying out a comprehensive, cooperative, and continuous transportation planning process; and

**WHEREAS**, 23 CFR 450.324 of the Code of Federal Regulations requires the development of a Metropolitan Transportation Plan, known herein as the Long Range Transportation Plan (LRTP), every five years; and

**WHEREAS**, the LRTP must comply with requirements of the current Federal Transportation Legislation; and

**WHEREAS**, said requirements mandate the need to maintain consistency for project scope and description between the long-term LRTP and the short-term Transportation Improvement Program (TIP); and

**WHEREAS**, the Executive Board of the Kingsport MTPO wishes to amend the 2040 LRTP by updating the I-81 Intelligent Transportation System Expansion Project by updating the termini, project length, cost, and funding source as identified and detailed in the attached LRTP pages for Amendment #2; and

**WHEREAS**, the proposed amendments are financially feasible based on future revenue forecasts, resulting in a fiscally constrained LRTP; and

**WHEREAS**, the Kingsport MTPO has followed procedures for amending the 2040 LRTP outlined in the Public Participation Plan including the requirement for a 30-day public review and comment period (December 30, 2021 through January 31, 2022) and public comments were also sought during the Executive Board meeting on February 3, 2022.

**NOW THEREFORE BE IT RESOLVED BY THE EXECUTIVE BOARD OF THE KINGSPORT METROPOLITAN TRANSPORTATION PLANNING ORGANIZATION AS FOLLOWS:**

The proposed amendment to the 2040 Long Range Transportation Plan, which shall be known as LRTP Amendment #2, is hereby approved as presented.

**RESOLUTION APPROVED:**

Date: 2/3/22

  
Paul Montgomery, Chairman  
Kingsport MTPO Executive Board

  
Lesley Phillips  
Kingsport MTPO Staff

**Table 7-4  
Planned Project Improvements (Cost Feasible) - Tennessee**

ID	Horizon Year	Route	From Road	To Road	Description	Length (miles)	YOE Cost	Funding
L1	-	Fort Henry Drive (SR-36)	Interstate 81	Airport Road (SR-75)	Widen existing 2 lane road to 5 lanes with sidewalks on both sides	3.5	\$88,600,000	IMPROVE
L70	-	Interstate 81	Interstate 26 Interchange (Exit 57)	Virginia State Line	ITS expansion	18.8	\$1,780,000	IMPROVE
P22	-	Stone Drive (US-11)	Bridge over North Fork Holston River		Bridge replacement/rehabilitation	0.1	\$ 2,947,000	IMPROVE
P21	-	Stone Drive (US-11)	Bridge over North Fork Holston River		Bridge replacement/rehabilitation	0.1	\$1,745,000	IMPROVE
P27	-	Industry Drive	Bridge over Reedy Creek		Bridge replacement/rehabilitation	0.1	\$2,831,000	IMPROVE
P23	-	Fordtown Road	Bridge over CSX Railroad		Bridge replacement/rehabilitation	0.1	\$1,505,000	IMPROVE
P28	-	John B. Dennis (SR-93)	Bridge over CSX Railroad		Bridge replacement/rehabilitation	0.1	\$2,081,000	IMPROVE
P20	-	Fort Henry Drive (SR-36)	Wesley Road	Rock Springs Road	Replace northbound bridge over the South Fork Holston River for safety	0.1	\$9,250,000	IMPROVE
L57	-	Fort Henry Drive (SR-36)	Wesley Road	Rock Springs Road	Replace southbound bridge over the South Fork Holston River for safety	0.2	\$12,829,000	IMPROVE
P24	-	Old Blair Gap Road	Bridge over Walker Fort Creek		Bridge replacement/rehabilitation	0.1	\$496,000	IMPROVE
P25	-	Reedy Creek Lane	Bridge over Reedy Creek		Bridge replacement/rehabilitation	0.1	\$232,000	IMPROVE
P26	-	Meadow Brooke Lane	Bridge over Reedy Creek		Bridge replacement/rehabilitation	0.1	\$851,000	IMPROVE
L54	2025	Clinchfield Street	Main Street	Stone Drive (US-11)	Coordinate signal system to improve traffic flow	1.2	\$320,000	L-STBG
L62	2025	Stone Drive (US-11)	Gibson Mill Road	Deneen Lane	Coordinate signal system	2.8	\$190,000	NHPP
L22	2025	Stone Drive (US-11)	John B. Dennis (SR-93)	Cleek Road	Improve intersections and coordinate signal timings	3.1	\$1,080,000	NHPP
L12	2025	Fort Henry Drive (SR-36)	Moreland Drive/ Hemlock Road	Interstate 81 (I-81)	Improve intersections, coordinate signal timings, and evaluate driveway cuts	1.4	\$1,900,000	NHPP
L20	2025	Stone Drive West (US-11)	Kaywood Avenue	Granby Road	Install signal system with advanced warning signals to improve safety at intersections	2.5	\$80,000	NHPP
L53	2025	Bloomingtondale Pike	John B. Dennis (SR-93)	Packinghouse Road	Improve shoulders and geometry with spot safety improvements	1.5	\$1,270,000	Local
L35	2025	East Sullivan Street	Church Circle	Main Street	Widen to 2/3 lanes with multimodal and aesthetic improvements	1.0	\$6,330,000	Local
L11	2025	Fort Henry Drive (SR-36)	John B Dennis (SR-93)	Moreland Drive / Hemlock Road	Improve intersections and coordinate signal timings; install median where non-existent	2.0	\$950,000	NHPP
L17	2025	Tranbarger Drive	Lynn Garden Drive (SR-36)	Virgil Avenue	Improve shoulders and geometry with spot safety improvements with additional safety improvements	1.0	\$920,000	Local
L65	2025	Interstate 26	John B. Dennis (SR-93)	I-26 Exit 6 (SR-347 Rock Springs Road)	Add eastbound truck climbing lane	1.9	\$2,790,000	NHFP
L60	2025	Lincoln Street	John B. Dennis (SR-93)	Wilcox Drive (SR-126)	Coordinate signal system	1.7	\$630,000	NHPP
L58	2025	John B. Dennis (SR-93)	Stone Drive (US-11)	Bloomingtondale Pike	Implement access management	2.4	\$760,000	NHPP

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L70	-	Interstate 81	Near Interstate 26 Interchange (Exit 57)	Near I-381 in Virginia	Intelligent Transportation System expansion (IA)	23.3	\$8,900,000	NHPP
P22	-	Stone Drive (US-11)	Bridge over North Fork Holston River		Bridge replacement/rehabilitation	0.1	\$ 2,947,000	IMPROVE
P21	-	Stone Drive (US-11)	Bridge over North Fork Holston River		Bridge replacement/rehabilitation	0.1	\$1,745,000	IMPROVE
P27	-	Industry Drive	Bridge over Reedy Creek		Bridge replacement/rehabilitation	0.1	\$2,831,000	IMPROVE
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L60	2025	Lincoln Street	John B. Dennis (SR-93)	Wilcox Drive (SR-126)	Coordinate signal system	1.7	\$630,000	NHPP
L58	2025	John B. Dennis (SR-93)	Stone Drive (US-11)	Bloomingtondale Pike	Implement access management	2.4	\$760,000	NHPP

Table 6-10  
Streets & Highways  
Capital Revenues and Expenditures - Tennessee

2025		Budgeted				Remainder
Funding Programs	Revenue	Project Specific	Bridge Program	Safety/Traffic Program	Bike/Ped Program	
National Highway Performance Program (NHPP)	\$31,120,000	\$27,680,000		\$3,440,000		\$0
Surface Transportation Block Grant Program (S-STBG) State	\$2,169,000	\$530,000		\$1,093,000	\$546,000	\$0
NHPP Grouping, STBG Grouping, Safety Grouping, ITS/Traffic Operations/Safety	\$5,158,000			\$31,022,000		\$0
	\$19,268,000					
	\$6,596,000					
Bridge Rehabilitation & Replacement (BRR or BR)	\$7,503,000		\$7,503,000			\$0
Surface Transportation Block Grant Program (L-STBG) Local	\$23,086,000	\$21,870,000			\$1,216,000	\$0
Enhancement Funds (EHN, TAP, or RTP)	\$3,298,000				\$3,298,000	\$0
Other Federal-Aid Programs & Discretionary Funds	\$5,277,000	\$2,790,000			\$2,487,000	\$0
Local (All allocations in Sullivan County/Kingsport)	\$28,059,000	\$19,170,000			\$8,889,000	\$0
STA	\$5,277,000			\$5,277,000		\$0
IMPROVE Act	\$125,147,000	\$125,147,000				\$0
Totals	\$261,958,000	\$197,187,000	\$7,503,000	\$40,832,000	\$16,436,000	\$0

2040		Budgeted				Remainder
Funding Programs	Revenue	Project Specific	Bridge Program	Safety/Traffic Program	Bike/Ped Program	
National Highway Performance Program (NHPP)	\$62,555,000	\$62,490,000		\$65,000		\$0
Surface Transportation Block Grant Program (S-STBG) State	\$4,361,000	\$2,260,000		\$2,101,000		\$0
NHPP Grouping, STBG Grouping, Safety Grouping, ITS/Traffic Operations/Safety	\$10,368,000			\$62,357,000		\$0
	\$38,730,000					
	\$13,259,000					
Bridge Rehabilitation & Replacement (BRR or BR)	\$15,082,000		\$15,082,000			\$0
Surface Transportation Block Grant Program (L-STBG) Local	\$46,406,000	\$44,070,000		\$500,000	\$1,836,000	\$0
Enhancement Funds (EHN, TAP, or RTP)	\$6,629,000				\$6,629,000	\$0
Other Federal-Aid Programs & Discretionary Funds	\$10,607,000	\$5,780,000		\$827,000	\$4,000,000	\$0
Local (All allocations in Sullivan County/Kingsport)	\$56,403,000	\$36,120,000		\$4,958,500	\$15,324,500	\$0
STA	\$10,607,000			\$10,607,000		\$0
						\$0
Totals	\$275,007,000	\$150,720,000	\$15,082,000	\$81,415,500	\$27,789,500	\$0

2025 TN Capital Expenditures	
LRTP Roadway Projects	\$72,040,000
IMPROVE Roadway Projects	\$88,600,000
LRTP Bridge Program	\$7,503,000
IMPROVE Bridge Projects	\$34,767,000
LRTP Safety/Traffic Program	\$40,832,000
IMPROVE ITS	\$1,780,000
LRTP Bike/Ped Program	\$16,436,000
Total	\$261,958,000

2025 - Investments	
Roadway Improvements	61%
Bridge Improvements	16%
Safety/Traffic Operations	16%
Bike/Ped Improvements	7%
Total	100%

2040 TN Capital Expenditures	
LRTP Roadway Projects	\$150,720,000
LRTP Bridge Program	\$15,082,000
LRTP Safety/Traffic Program	\$81,415,500
LRTP Bike/Ped Program	\$27,789,500
Total	\$275,007,000

2040 - Investments	
Roadway Improvements	55%
Bridge Improvements	5%
Safety/Traffic Operations	30%
Bike/Ped Improvements	10%
Total	100%

	2025	2040	Total
TN - Capital Revenues	\$136,811,000	\$275,007,000	\$411,818,000
IMPROVE Act	\$125,147,000		\$125,147,000
Total Capital Revenues	\$261,958,000	\$275,007,000	\$536,965,000

2025 & 2040 TN Capital Expenditures	
LRTP Roadway Projects	\$222,760,000
IMPROVE Roadway Projects	\$88,600,000
LRTP Bridge Program	\$22,585,000
IMPROVE Bridge Projects	\$34,767,000
LRTP Safety/Traffic Program	\$122,247,500
IMPROVE ITS	\$1,780,000
LRTP Bike/Ped Program	\$44,225,500
Total	\$536,965,000

2025 & 2040 - Investments	
Roadway Improvements	58%
Bridge Improvements	11%
Safety/Traffic Operations	23%
Bike/Ped Improvements	8%
Total	100%

Table 6-10  
Streets & Highways  
Capital Revenues and Expenditures - Tennessee

2025		Budgeted				Remainder
Funding Programs	Revenue	Project Specific	Bridge Program	Safety/Traffic Program	Bike/Ped Program	
National Highway Performance Program (NHPP)	\$31,120,000	\$27,680,000		\$3,440,000		\$0
Surface Transportation Block Grant Program (S-STBG) State	\$2,169,000	\$530,000		\$1,093,000	\$546,000	\$0
NHPP Grouping, STBG Grouping, Safety Grouping, ITS/Traffic Operations/Safety	\$5,158,000			\$31,022,000		\$0
	\$19,268,000					
	\$6,596,000					
Bridge Rehabilitation & Replacement (BRR or BR)	\$7,503,000		\$7,503,000			\$0
Surface Transportation Block Grant Program (L-STBG) Local	\$23,086,000	\$21,870,000			\$1,216,000	\$0
Enhancement Funds (EHN, TAP, or RTP)	\$3,298,000				\$3,298,000	\$0
Other Federal-Aid Programs & Discretionary Funds	\$5,277,000	\$2,790,000			\$2,487,000	\$0
Local (All allocations in Sullivan County/Kingsport)	\$28,059,000	\$19,170,000			\$8,889,000	\$0
STA	\$5,277,000			\$5,277,000		\$0
IMPROVE Act	\$123,367,000	\$123,367,000				\$0
IMPROVE Act/NHPP	\$8,900,000	\$8,900,000				
Totals	\$269,078,000	\$204,307,000	\$7,503,000	\$40,832,000	\$16,436,000	\$0

2040		Budgeted				Remainder
Funding Programs	Revenue	Project Specific	Bridge Program	Safety/Traffic Program	Bike/Ped Program	
National Highway Performance Program (NHPP)	\$62,555,000	\$62,490,000		\$65,000		\$0
Surface Transportation Block Grant Program (S-STBG) State	\$4,361,000	\$2,260,000		\$2,101,000		\$0
NHPP Grouping, STBG Grouping, Safety Grouping, ITS/Traffic Operations/Safety	\$10,368,000			\$62,357,000		\$0
	\$38,730,000					
	\$13,259,000					
Bridge Rehabilitation & Replacement (BRR or BR)	\$15,082,000		\$15,082,000			\$0
Surface Transportation Block Grant Program (L-STBG) Local	\$46,406,000	\$44,070,000		\$500,000	\$1,836,000	\$0
Enhancement Funds (EHN, TAP, or RTP)	\$6,629,000				\$6,629,000	\$0
Other Federal-Aid Programs & Discretionary Funds	\$10,607,000	\$5,780,000		\$827,000	\$4,000,000	\$0
Local (All allocations in Sullivan County/Kingsport)	\$56,403,000	\$36,120,000		\$4,958,500	\$15,324,500	\$0
STA	\$10,607,000			\$10,607,000		\$0
						\$0
						\$0
Totals	\$275,007,000	\$150,720,000	\$15,082,000	\$81,415,500	\$27,789,500	\$0

2025 TN Capital Expenditures	
LRTP Roadway Projects	\$72,040,000
IMPROVE Roadway Projects	\$88,600,000
LRTP Bridge Program	\$7,503,000
IMPROVE Bridge Projects	\$34,767,000
LRTP Safety/Traffic Program	\$40,832,000
IMPROVE ITS	\$8,900,000
LRTP Bike/Ped Program	\$16,436,000
Total	\$269,078,000

2025 - Investments	
Roadway Improvements	60%
Bridge Improvements	16%
Safety/Traffic Operations	18%
Bike/Ped Improvements	6%
Total	100%

	2025	2040	Total
TN - Capital Revenues	\$136,811,000	\$275,007,000	\$411,818,000
IMPROVE Act	\$132,267,000		\$132,267,000
Total Capital Revenues	\$269,078,000	\$275,007,000	\$544,085,000

2040 TN Capital Expenditures	
LRTP Roadway Projects	\$150,720,000
LRTP Bridge Program	\$15,082,000
LRTP Safety/Traffic Program	\$81,415,500
LRTP Bike/Ped Program	\$27,789,500
Total	\$275,007,000

2040 - Investments	
Roadway Improvements	55%
Bridge Improvements	5%
Safety/Traffic Operations	30%
Bike/Ped Improvements	10%
Total	100%

2025 & 2040 TN Capital Expenditures	
LRTP Roadway Projects	\$222,760,000
IMPROVE Roadway Projects	\$88,600,000
LRTP Bridge Program	\$22,585,000
IMPROVE Bridge Projects	\$34,767,000
LRTP Safety/Traffic Program	\$122,247,500
IMPROVE ITS	\$8,900,000
LRTP Bike/Ped Program	\$44,225,500
Total	\$544,085,000

2025 & 2040 - Investments	
Roadway Improvements	57%
Bridge Improvements	11%
Safety/Traffic Operations	24%
Bike/Ped Improvements	8%
Total	100%